

Product data sheet

- for PU3033AH

a) General description

Item	Description
Product name	Medical Video Endoscope
Trade name	Uscope
Common name	Single Use Flexible Video Ureteroscope
Model	PU3033AH
Intended use / Indications for use	<p>This instrument has been designed to be used with Endo-Therapy accessories such as a biopsy forceps and other ancillary equipment for endoscopy and endoscopic surgery within urinary tract and interior of the kidney.</p> <p>Use environment: The endoscope is for use in a hospital or qualified medical institution.</p>
Intended users	This endoscope is only to be used by skilled physicians trained in clinical endoscopic techniques and procedures.
Risk class	Class IIa - per Rule 5 of Annex VIII of Regulation (EU) 2017/745.
Shelf life	3 years.
GMDN code	64074 (GMDN Term: Flexible video ureteroscope, single-use)
Characteristics	sterilized by EO, provided sterile, for single use.
Models of compatible image processor of Pusen	PV300.
Manufacturer	<p>Zhuhai Pusen Medical Technology Co., Ltd.</p> <p>Address: 5/F, Building 1, No 33, Keji San Road, High-tech Zone, Tangjiawan Town, 519085 Zhuhai, Guangdong, PEOPLE'S REPUBLIC OF CHINA.</p>

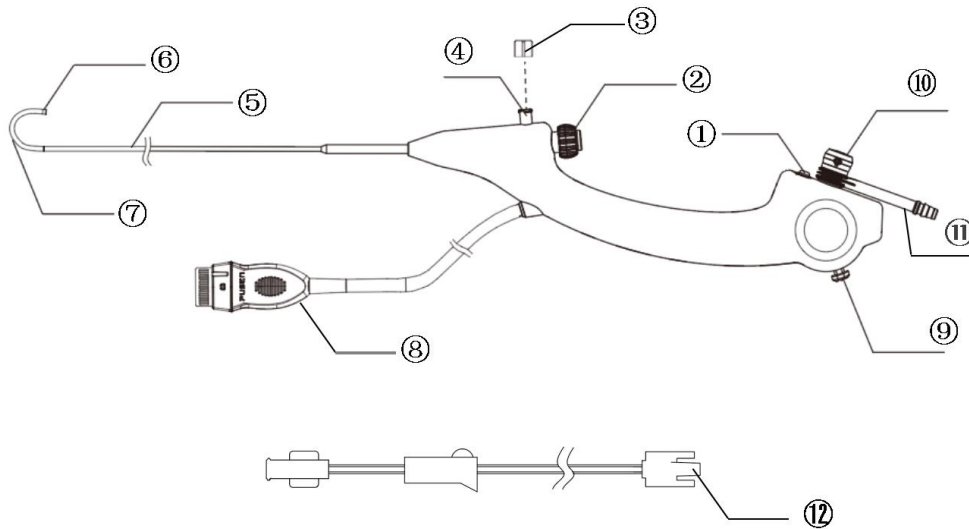
b) Technical specifications

Items	PU3033AH
Field of view	120° ± 10%
Direction of View	0° ± 10°
Depth of field	3-50 mm
Distal end diameter	2.5 mm (7.5 Fr) [limit deviation is + 5%; lower limit is excluded]
Diameter of insertion portion	2.5 mm (7.5 Fr) [limit deviation is + 5%; lower limit is excluded]
Maximum insertion portion width	≤ 2.7 mm
Minimum instrument channel width	≥ 1.2 mm (≥ 3.6 Fr)
Working length	650 mm ± 10%
Bending section	270° up/down (limit deviation is -15°, upper limit is excluded.)
Total length	915 mm
illumination	LED
Shelf life	3 years.
Model(s) of compatible image processor	PV300.

c) Environment specifications

Operating Environment	
Temperature	10°C ~ 37°C
Relative humidity	30% ~ 85%
Atmospheric pressure	800-1060 hPa
Storage and transportation	
Storage temperature	0°C to 45°C
Transportation temperature	-20°C to 45°C
Storage and transportation relative humidity	30% ~ 80%

d) Key functional elements



- ① Buttons (user-defined buttons): functions of the buttons can be set by compatible image processor.
- ② Locking valve (Instrument channel port): used for the insertion of EndoTherapy accessories.
- ③ Luer connector cap: used to seal the ④ Irrigation port.
- ④ Luer connector (Irrigation port): used for liquid irrigation.
- ⑤ Insertion portion.
- ⑥ Distal tip.
- ⑦ Bending section (controllable portion).
- ⑧ Supply connector (supply cable connector): data transmission with image processor.
- ⑨ Bending control lever (deflection lever): by sliding this lever back or forth, the bending direction and angle of the bending section can be controlled.
- ⑩ Suction valve: activates suction when pressed down.
- ⑪ Suction connector: used to connect negative pressure device.
- ⑫ Connecting tube (type reference: 1.12.00027): used to connect the ④ Irrigation port with the irrigation system.

e) Principles of operation

The Medical Video Endoscope PU3033AH needs to be connected with the HD Medical Video Endoscope Image Processor (model: PV300) as a Medical Video Endoscope System.

The Medical Video Endoscope system is designed to provide image solution for endoscopy and endoscopic surgery, and perform procedures within urinary tract and interior of the kidney by using appropriate Endo-Therapy accessories.